ENGINEERING TOMORROW

Data Sheet

Load Sensing Steering Unit
Type OSPL 1200

Introduction

Danfoss introduce a new size of steering unit: OSPL 1200 LS Load Sensing steering unit.

The pressure limit also has been extended to 240 bar as maximum steering pressure (P-T).



Use and function

OSPL 1200 LS is a load sensing steering unit specially developed for large displacement in order to minimise flow loss. It is therefore extremely suitable for large vehicles.

Versions

OSPL 1200 LS is available in the following version: LS Dynamic (non reaction)

Features

- Cover large displacements
- Higher steering pressure
- Low noise level
- Low pressure drop
- Low steering torque
- One or more builin valve functions
- Optional port connections (according to ISO, SAE or DIN standards)

Comprehensive technical literature online at *powersolutions.danfoss.com*

Technical Data

Displacement, flow and pressure: OSPL 1200 LS

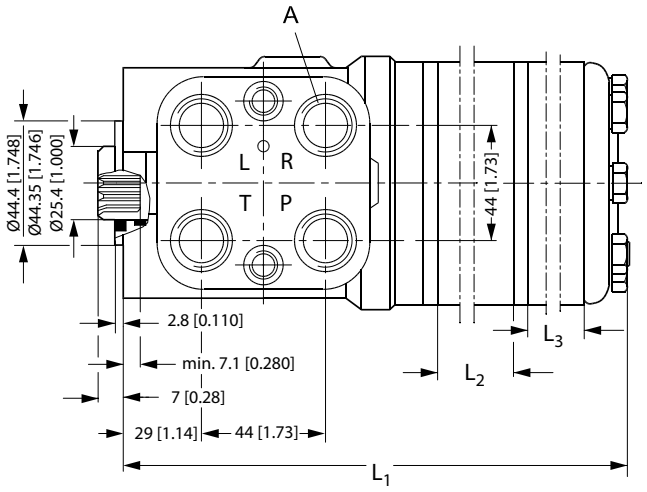
Steering unit	Displacement cm³ [in³]	Rated oil flow l/min [USgal/min]	Max. pressure on connections		
			P: bar [psi]	T: bar [psi]	L,R: bar [psi]
OSPL 1200 LS dynamic	1200 [73.22]	100 [26.42]	240 [3481]	40 [580]	320 [4641]

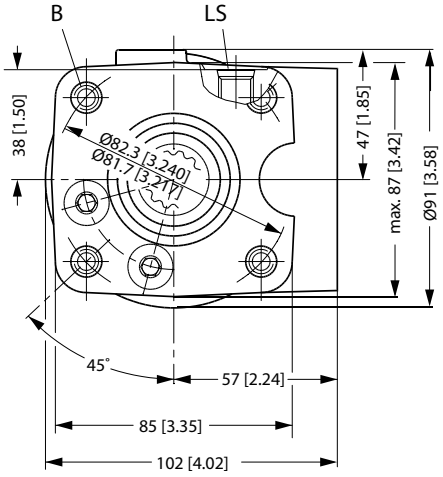
Dimensions

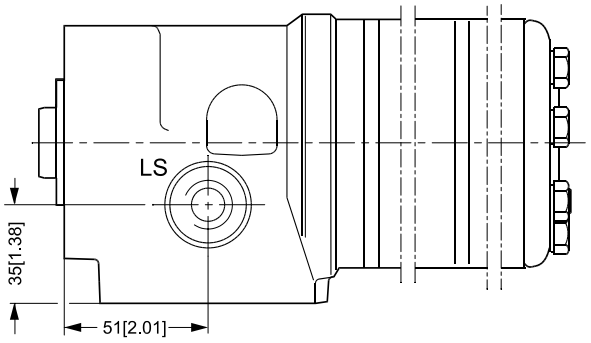
A	3/4 - 16 UNF O-ring boss, 15 mm [0.59 in] deep
B	M10 x 1.5, 16 mm [0.63 in] deep
LS	7/16 - 20 UNF O-ring boss, 11.5 mm [0.45 in]

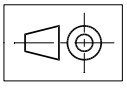
Steering unit	L1	L2	L3
OSPL 1200 LS	288 mm [11.34 in]	104 mm [4.09 in]	52 mm [2.05 in]

For details please see Tech Note 520L0740









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